

Jonas Dunham Jordahl

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PROFESSIONAL EXPERIENCE

NORTHERN ARIZONA UNIVERSITY

Flagstaff, AZ

Undergraduate Researcher, NAU & AFRL Partnership

August 2020 – May 2021

- Simulation of a secure processor using computational diversity concepts on a RISC-V architecture
- Optimized our team's simulation to cohere with the electrical engineer team's prototypes
- Abidance to Test Driven Development and standard C programming paradigms

NORTHERN ARIZONA UNIVERSITY

Flagstaff, AZ

Teaching Assistant

September 2019 – May 2021

- Assisted students with understanding the basics of object-oriented design, data structures and fundamental recursive algorithms (CS249 - Data Structures and Algorithms)
- Guided students towards an intuitive understanding of formal language theory, with an emphasis on proving to which class a language belongs (CS315 - Automata Theory)

NORTHERN ARIZONA UNIVERSITY

Flagstaff, AZ

Undergraduate Researcher, NAU IoT Research Lab

March 2020 – July 2020

- Developed a Raspberry Pi-specific occupancy tracker for university monitoring of open spaces
- Used OpenCV and basic image processing in an intentionally naïve algorithm suited for hardware-constrained devices

DECKERS OUTDOOR CORPORATION

Flagstaff, AZ

Temporary User Interface Developer

December 2019 – March 2020

- Coordinated with product designers to implement responsive and accessible web pages
- Actively contributed to an Agile work environment

EDUCATION

NORTHERN ARIZONA UNIVERSITY

Flagstaff, AZ

Bachelor of Science in Computer Science, Minor in Mathematics, May 2021

- **Key courses:** Computer Graphics, Distributed Systems, Operating Systems, Parallel Programming, Modern Philosophy
- **Key Projects:** Capstone Web Application, Recursive Ray-tracer, Operating System Simulator, Peer-to-Peer Distributed Chat
- **Awards:** Deans List (6/7 semesters)
- **Clubs:** Association for Computing Machinery, NAU Cycling Club
- **GPA:** major: 4.0, overall: 3.84

PROFICIENCIES

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|---------|----------|---------|---------|----------|------------|
| • C | • Python | • Java | • HTML | • CSS | • JS |
| • Linux | • Git | • Flask | • Keras | • OpenCV | • Pthreads |